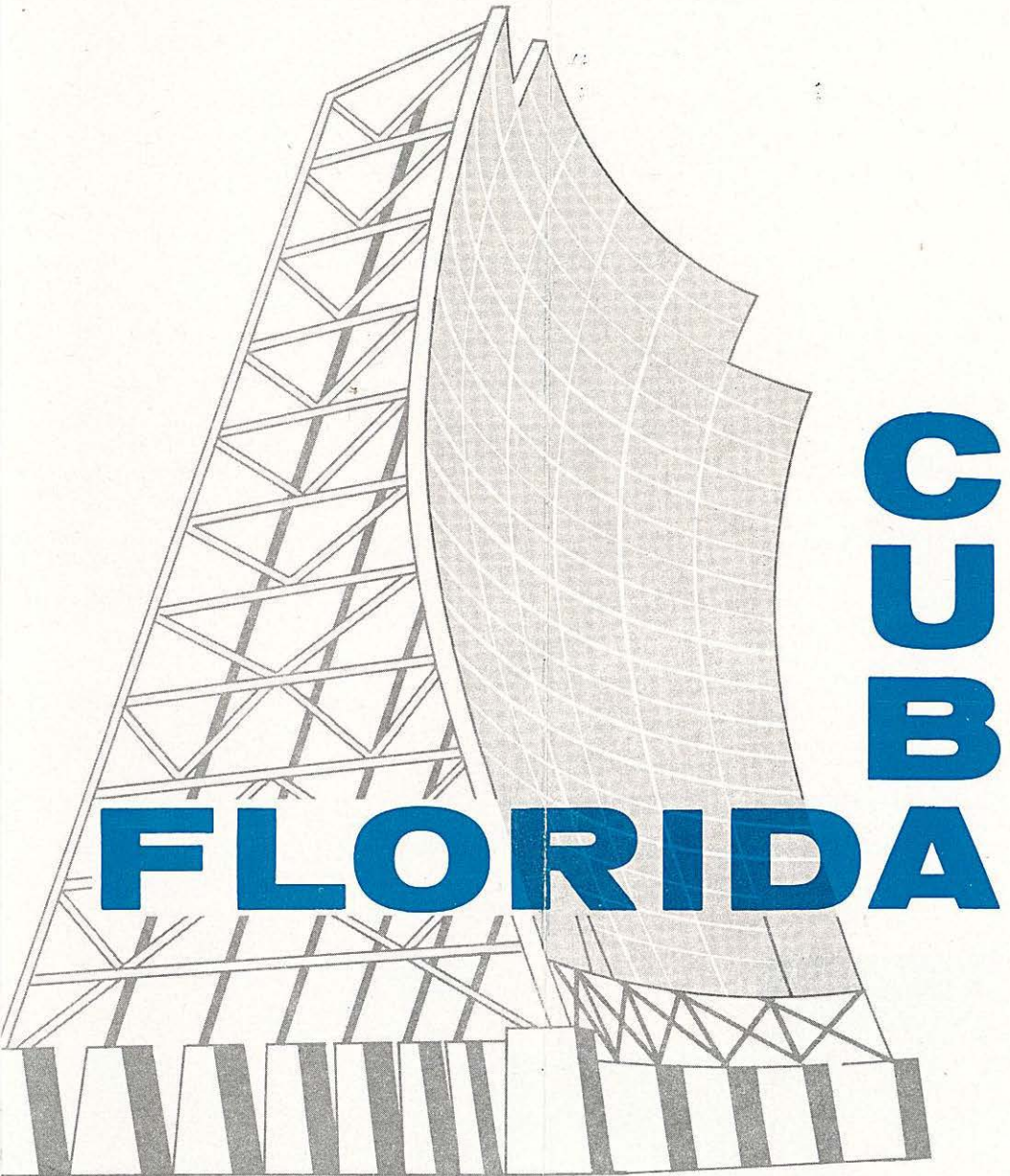


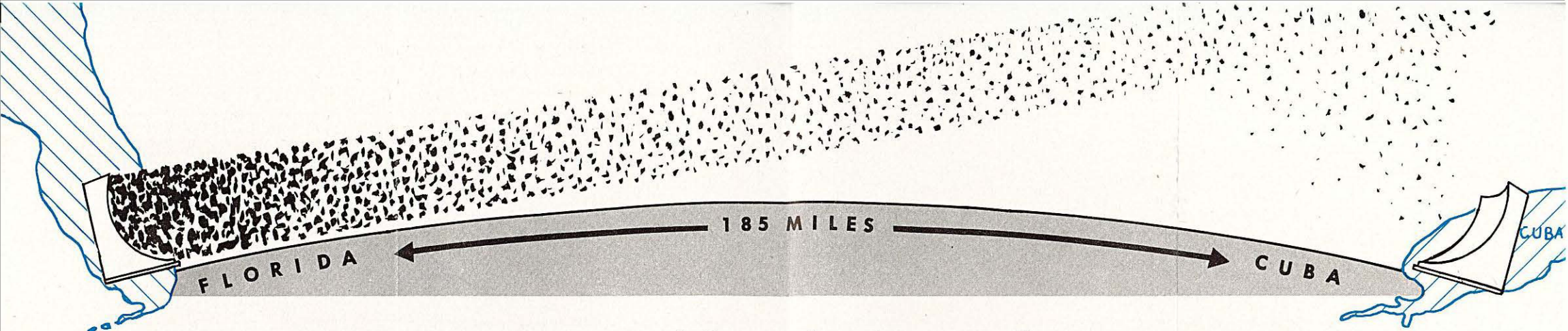
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THE BELL SYSTEM



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FLORIDA --- *"Over the Horizon"* --- CUBA

C. J. Yates, Vice President and General Manager, Southern Bell Telephone Company, announced today that the Long Lines Department of the American Telephone and Telegraph Company and the International Telephone and Telegraph Company have completed construction of the terminal stations at Florida City and Guanabo, Cuba, for the first commercial "Over-the-Horizon" radio system between the United States and Cuba.

This new concept of voice transmission is based on developments which enable microwaves to be beamed "Over-the-Horizon" for a distance of 185 miles or more without boosting the original signal. This type of system greatly enlarges the scope and coverage of microwave. "Over-the-Horizon" systems are different from microwave radio relay systems now widely used throughout this country. The conventional microwave requires line-of-sight transmission and the signals are amplified at intermediate stations located about every 30 to 40 miles along a given route. "Line-of-Sight" radio relay will be used from both terminals of the

"Over-the-Horizon" system to interconnect with the communications networks of the United States and Cuba.

Initially the new system will be equipped with 36 voice circuits and one TV channel in each direction. This system has an ultimate capacity of 200 telephone circuits. These facilities will augment the submarine cables which are now being used to capacity handling communication needs between Florida and Cuba.

Telephone service between the United States and Cuba was first established in 1921. The number of long distance telephone calls completed in 1921 was 5,000. In 1956, 438,000 calls were completed.

The Long Lines Department of A. T. & T. Co. constructed the radio relay tower and equipment building at Florida City while the Radio Corporation of Cuba, an I. T. and T. Co. subsidiary, built the similar installation at Guanabo, Cuba. Cost of the entire project is estimated at \$3,000,000.

